

THE PURE IP IPECS PLATFORM



LIP-8000 SERIES IP PHONES

The most advanced
equipment for the
simplest telephony experience
on the Pure IP IPECS Platform

LG-Nortel
provides the best
communications solutions
to enrich the human
experience.





LG-Nortel is dedicated to the development of cutting edge telecommunications equipment and network solutions, spanning wired and wireless technologies, to service providers and enterprise customers around the world.

LG-Nortel ensures its competitiveness through reliable, easy to use products and a diversified portfolio of enterprise grade solutions that fit the need across all segments for global markets. With a workforce of over 1000 highly skilled engineers, we continuously enhance the methods of global communications.

The LG-Nortel 8000 Series IP phones are cost effective, simple to install and easy to use, with minimum disruption as your business transitions to the IP environment.

➤ Why IP telephony?

The IP Telephony market is rapidly growing as more companies recognise the benefits of using IP telephony in their enterprise infrastructures: a single network for voice, data and video.

IP delivers significant cost savings and integrates new applications increasing employee collaboration. As the work force becomes more mobile: moving between desks, conference rooms, offices and even

countries, enterprises are rapidly benefiting by adopting IP technology. Most SMB's and enterprises are now looking for ways to cut costs, and one way they hope to do that is by incorporating IP telephony into their IP-based communications networks.

VoIP technology is therefore an irresistible trend in the communications world simply making communication better while being easy and cost-effective to deploy.

- > IMPROVED PRODUCTIVITY
- > ACCESS TO NEW APPLICATIONS AND SERVICES
- > COMPELLING COST BENEFITS
- > VoIP IS THE WAY TO GO FOR ALL BUSINESS SEGMENTS

It is time to improve your communications utilising LG-Nortel IP phones!



LIP-8024D Phone

Executive IP phone with 24 Flexible buttons, multi-line display and Dual LAN port



LIP-8012D Phone

Professional IP phone provides the perfect combination of features and performance with Dual LAN port



LIP-8004D Phone

Standard IP Phone addresses the needs of low call volume users without lacking key features



LIP-12LSS Console

The perfect companion to the Executive Phone, the 12 Key LCD DSS console provides clear access to frequent features



LIP-12DSS Console

A great addition to any of the 8000 Series phones, the 12 Key paper DSS console allows easy call transfer and simple at-a-glance station status.



LIP-48DSS Console

For site attendants and the busy professional the 48 Key LED DSS console allows for lightning fast call transfer and at-a-glance station status.

We have the IP Phone for any size organisation

Our phones let you enjoy all of the benefits of VoIP telephony packed with a wide range of innovative features.

➤ Introducing the new LG-Nortel IP Phone LIP-8000 Series

The new 8000 IP Phone Series is the latest innovation in IP Phones for enterprises & SMB's around the globe and is dedicated to providing the user with a highly reliable desktop IP telephony experience combined with LG-Nortel's feature-rich, pure IP IPECS Platform.

To exploit the advantages of IP telephony to its fullest, you need the right terminal. LG-Nortel offers the broadest array of IP terminals ranging from a basic entry level IP phone (LIP-8004D) which lets you enjoy the benefits of IP telephony in its simplest form to the sophisticated needs of executives and global communicators with the state of the art IP8024D.

The 8000 series improves the quality over cost equation, driving personal productivity, improving customer service and increasing revenue opportunities for your business. Our IP phones make moving easier as your business expands and users need to move around the workspace. Simply connect the phone to your Network and the LIP-8000 Series' intelligent, integrated, automated provisioning routines take over and you are now set to place a call. Moves, adds and changes are no longer a costly obstacle.

By combining the 8000 Series phones with the very best in pure IP telephony platforms - the IPECS, you can harness the power of truly distributed, integrated Networks. Your business critical applications and databases can be linked with your communications platform and your homeworkers and branch offices are no longer 'remote' sites. You can harness the power of this Network for audio & video conferencing, application sharing and Voice Mail to your email.

➤ Key features

ENHANCED VOICE QUALITY
USING WIDEBAND CODEC

PASSWORD PROTECTED
WEB BASED ADMINISTRATION

PROGRAMMABLE FLEX KEYS

OPTIONAL BLUETOOTH
CONNECTIVITY

PERSONALISED RING TONES

TWO WAY TILT & WALL
MOUNT AS STANDARD

DUAL PORT LAN FOR
PC CONNECTION

QUALITY OF SERVICE &
SECURITY MONITORING

USER LANGUAGE SELECTION

SPEAKERPHONE, HANDSFREE
AND HEADSET COMPATIBLE

HEARING AID COMPATIBLE

BACKLIT GRAPHICAL
LIQUID CRYSTAL DISPLAY

Not all features available on all models.



➤ Detailed information on the series

EXECUTE FASTER & BETTER - SIMPLICITY AT YOUR FINGERTIP

ADVANCED TECHNOLOGY PACKED IN A SOPHISTICATED DESIGN

The LG-Nortel IP Phone 8000 series integrates a simple and clean design, that lets you experience all the features and capabilities of your enhanced IP phone system, in an easy to use and ergonomic environment. The 8000 Series will impress you with its modern, slick design. It maximizes your desktop space while combining an extensive set of telephony functions in an elegant design.

EASY CONNECTIVITY WITH BLUETOOTH

Unwire yourself from your desktop phone with Bluetooth technology that will let you roam in your office freely*. Utilising any Bluetooth headset with your LG-Nortel IP Phone 8000 series will allow you to make and receive calls anywhere in the office. Just free your hands from holding the handset without the office disruption caused by a speakerphone!

PC CONTROL AND SOFTPHONE

The 8000 Series can be controlled, by using a PC software application, directly from your computer desktop - significantly increasing your productivity. You can also link your 8000 series phone with your mobile phone or PDA using the mobile extension feature or the LG-Nortel softphone (Phontage). Never juggle numbers again, and always ensure that your valued customers can reach you.

EXPANSIVE FEATURE SET

With up to 3 soft keys and 24 flexible keys, an executive or administrative assistant can have single-key access to the most requested features.

WEB BASED MANAGEMENT

With context sensitive soft keys, control of complex communications features and functions is at your fingertips (available on all LIP-8000 models). Easy to setup menus make calling easier and more convenient while shortening the installation time. The web-based remote administration (with enhanced security and password control) allows for automated provisioning and maintenance - simplifying the installation.

* upto 10 Meters



THE MOST ADAPTABLE STRUCTURE WITH ROOM FOR EXPANSION

FEATURE EXPANSION MODULE PORT

The feature expansion module port provides a high speed data/audio/control interface so that advanced features can be added on in the future. The Bluetooth module utilises this port for communicating with headsets.

DSS & BLF CALL COVERAGE

The innovative Direct Station Selection / BLF Call Coverage function, available on the IPECS platform, makes the 8000 series the ideal choice for attendant answering or secretarial Call Coverage positions. The range of DSS consoles available in the 8000 Range provide additional flexible keys which can be configured to provide quick and easy access to functions most needed by the answering / coverage position. The Busy Lamp Field (BLF) functions indicate the line, feature and user status (busy, idle or hold) and the Call Coverage function gives the user direct access to incoming calls.

COMPUTER - TELEPHONY INTEGRATION

With internationally recognised protocols such as TAPI and IPECS' own Application Interface Messaging (AIM) the IPECS is capable of powerful integration with your computer systems and databases (requires 3rd Party applications). The 8000 series leverage this connectivity and allow two way communications between your telephone and computer, this allows features such as caller detail screen pops and onscreen call control.

➤ LG-Nortel IP Phone 8024D: The executive IP Phone

Ergonomic design with enhanced user interface, handsfree and phonebook.

See all you need
at a glance!

The large graphical LCD screen and support for all the IPECS features makes the 8024D the perfect partner for your busy schedule. Two way tilt and navigation key ensure ease of use.

YOUR WINDOW TO THE
POWERFUL IPECS PLATFORM

TACTILE BUTTONS MAKE
DIALLING A PLEASURE



Superior functional attributes:

- > DIRECT MAIL, MESSAGE AND CONFERENCE ACCESS
- > HEARING AID COMPATIBLE
- > SECURE WEB BASED MANAGEMENT
- > BACKLIT GRAPHICAL LIQUID CRYSTAL DISPLAY
- > MULTI-LANGUAGE DISPLAY AND MENU OPTIONS
- > EASY TO UNDERSTAND, WEB BASED USER GUIDE



High-end IP phone with impressive
wideband audio support

Dual 10/100 LAN ports for connecting your
PC or laptop to your Network via the phone

Wired Headset support (& optional Bluetooth)

802.3af Power over Ethernet
or local AC power adaptor

Vertical design for smaller desktop footprint
with two way tilt and wall mount

LG - Nortel LIP Phone 8000 Series

MODEL NAME	LIP-8004D	LIP-8012D	LIP-8024D	LIP-12DSS	LIP-12LSS	LIP-48DSS
INTERFACE						
KEYPAD						
- SOFTKEYS	NO	3	3	NO	NO	NO
- NAVIGATION KEY	NO	YES	YES	NO	NO	NO
- PROGRAMMABLE KEYS	4	12	24	12	12	48
HEADSET SUPPORT	NO	YES	YES	N/A	N/A	N/A
COMMS INTERFACES	YES (1)	YES (3)	YES (3)	YES (1)	YES (1)	YES (1)
- LAN	YES (1)	YES (2)	YES (2)	N/A	N/A	N/A
- BLUETOOTH	NO	NO	YES	N/A	N/A	N/A
- DIRECT DSS CONNECTION PORT	NO	YES	YES	YES	YES	YES
POWER OVER ETHERNET	YES (CLASS 2)	YES (CLASS 2)	YES (CLASS 2)	N/A	N/A	N/A
LOCAL POWER ADAPTOR	YES	YES	YES	N/A	N/A	YES (48V)
INDICATORS						
- MESSAGE WAITING LAMP	YES	YES	YES	YES	YES	YES
- CALL ALERT	YES	YES	YES	YES	YES	YES
- HEADSET USE	N/A	YES	YES	YES	YES	YES
DISPLAY						
LCD SIZE	1 LINE 16 CHARACTER	3 LINE 24 CHARACTER	4 LINE 24 CHARACTER	N/A	12 LINE 12 CHARACTER	N/A
LCD TYPE	CHARACTER	CHARACTER	CHARACTER	N/A	CHARACTER	N/A
LCD BACKLIGHT	NO	YES	YES	N/A	YES	N/A
LCD LANGUAGE	ENGLISH, OTHERS	ENGLISH, OTHERS	ENGLISH, OTHERS	N/A	ENGLISH, OTHERS	N/A
FEATURES						
REDIAL / CALL WAITING	YES	YES	YES	N/A	N/A	N/A
HOLD / CALL PICKUP	YES	YES	YES	N/A	N/A	N/A
MUTE / TRANSFER / FORWARD	YES	YES	YES	N/A	N/A	N/A
WEB BASED MANAGEMENT	YES	YES	YES	N/A	N/A	N/A
KEYSET MANAGEMENT	YES	YES	YES	N/A	N/A	N/A
WALL MOUNT	YES	YES	YES	YES	YES	YES
2 WAY TILT BASE	NO	YES	YES	YES	YES	YES
PHONEBOOK	NO	YES	YES	N/A	N/A	N/A
LAST NUMBER REDIAL	YES	YES	YES	N/A	N/A	N/A
MULTI-LINE	YES	YES	YES	N/A	N/A	N/A
SPEAKERPHONE	ON-HOOK DIALLING ONLY	YES	YES	N/A	N/A	N/A
DIRECT MAIL ACCESS	BY KEY CODE	YES	YES	YES	YES	YES
DIRECT MESSAGE ACCESS	BY KEY CODE	YES	YES	YES	YES	YES
DIRECT CONFERENCE ACCESS	BY KEY CODE	YES	YES	YES	YES	YES
HEARING AID COMPATIBLE	YES	YES	YES	N/A	N/A	N/A
CALL LOG	NO	YES	YES	N/A	N/A	N/A
CALLER ID	NO	YES	YES	N/A	N/A	N/A
MANAGEMENT / PHONE ARCHITECTURE						
DSS CONSOLE SUPPORT	NO	YES	YES	YES	YES	YES
MAX. DSS CONNECTIONS	N/A	MAX. 4	MAX. 4	MAX. 3	MAX. 3	MAX. 4
SUPPORTED CODECS	4	5	5	N/A	N/A	N/A
- G711 μ /A	YES	YES	YES	N/A	N/A	N/A
- G723.1A	YES	YES	YES	N/A	N/A	N/A
- G729AB WITH ANNEX B	YES	YES	YES	N/A	N/A	N/A
IP TELEPHONY						
PROTOCOL	LG-NORTEL IPECS	LG-NORTEL IPECS	LG-NORTEL IPECS	LG-NORTEL IPECS	LG-NORTEL IPECS	LG-NORTEL IPECS
NAT TRAVERSAL	YES	YES	YES	N/A	N/A	N/A
QOS	YES	YES	YES	N/A	N/A	N/A
ECHO CANCELLATION	YES	YES	YES	N/A	N/A	N/A
ETHERNET INTERFACE	1 PORT (10/100)	2 PORT (10/100)	2 PORT (10/100)	NO	NO	NO
WIDEBAND AUDIO (G722 CODEC)	NO	YES	YES	N/A	N/A	N/A
STATIC / DYNAMIC IP ADDRESS	DYNAMIC	STATIC & DYNAMIC	STATIC & DYNAMIC	DYNAMIC	DYNAMIC	DYNAMIC
SECURITY	YES (IPECS PROTOCOL)	YES (IPECS PROTOCOL)	YES (IPECS PROTOCOL)	YES (IPECS PROTOCOL)	YES (IPECS PROTOCOL)	YES (IPECS PROTOCOL)



LIP-8004D



LIP-8012D



LIP-8024D



LIP-12DSS



LIP-12LSS



LIP-48DSS

This document is for general guidance purpose only. The information provided in this document is valid as of the date of its publication and is subject to change without notice. Capstan Communications Limited assumes no responsibility for any errors or omissions in this document that result in your misunderstanding.

Copyright 2009 / Issue 1.0 RV3